



Camin Cargo Control, Panama S.A.

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LE No. 013

CERTIFICATE OF QUALITY No. CPL-PAN-7398

Name of Client : Triton Energy of Panama, Corp.
Client's Address : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama Rep. of Panama

Client's Reference No. : TBA **CCC WorkOrder No.** : PAN-7398
Vessel or Job : Shore Tank No. 2 **Description of Operation** : Sampling & Testing
Description of Sample : Composite Sample **Product** : LDO
Sample Label / ID # : 0251-2016 **Type of Sample** : Composite
Terminal : Telfer Tanks Terminal **Date & Time of Sampling** : July 28, 2016 at 23:45 hours
Location : Cristobal, Colon, Panama **Date & Time of Receipt** : July 29, 2016 at 02:30 hours
Drawn By : Camin Cargo Control, Panama S.A. **Date & Time of Testing** : July 29, 2016 at 10:00 hours
Witnessed By : N/A **/ Representing** : N/A

TESTS PERFORMED

Description of Test	Units	Method	Results		
				Minimum	Maximum
A.P.I. Gravity	°API	D 4052	34.7	32.0	-----
Density at 15°C	kg/m³	D 4052	851.4	-----	865.0
Kinematic Viscosity at 40°C	cSt	D 445	2.964	1.9	4.1
Water and Sediment by Centrifuge	% Vol	D 2709	0.00	-----	0.05
Micro Carbon Residue, 10% Bottoms	mass %	D 4530	< 0.10	-----	0.3
Corrosion, Copper Strip, 3 hours at 50°C	rating	D 130	1a	-----	2
Appearance	C & B	D 4176	Clear & Bright	-----	-----
Color, ASTM Scale	rating	D 1500	< 2.0	-----	2.5
Ash Content	mass %	D 482	< 0.001	-----	0.01
Flash Point, P.M.C.C Procedure A	°C (°F)	D 93A	66 (151)	60 (140)	-----
Sulfur by X-Ray Fluorescence Spectrometry	mass % (ppm)	D 4294	0.0322 (322)	-----	0.05 (500)
Cetane Index, calculated	calculated	D 976	48.3	45	-----
Distillation, ASTM	-----	D 86	-----	-----	-----
10%	°C (°F)	D 86	216 (420)	-----	Report
50%	°C (°F)	D 86	274 (526)	-----	288 (550)
90%	°C (°F)	D 86	327 (620)	282 (540)	338 (640)
FBP	°C (°F)	D 86	358 (676)	-----	Report
Residue	Vol %	D 86	0.5	-----	2
Loss	Vol %	D 86	0.5	-----	2
Lubricity Test @ 60°C (Wear Scar Diameter)	Microns	D 6079	390	-----	520

Notes:

nuevo lote para el TK-2 es 0716LDO02

Volumen en netos = 26,259.78 bbls

The results of the tests indicated on this report are only valid for the indicated sample.
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CAMIN CARGO CONTROL, PANAMA S.A.

Boris Zorrilla

Laboratory Manager

For Camin Cargo Control, Panama S.A.